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Notice of Allowability

Application No.

10/600,104

Examiner

TAN N TRAN

Applicant(s)

FURUMIYA ET AL.

Art Unit

2826

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 11/26/04.
2. ☒ The allowed claim(s) is/are 1-5 and 21-35.
3. ☒ The drawings filed on 20 June 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Minhloan Tran

**Minhloan Tran
Primary Examiner
Art Unit 2826**

DETAILED ACTION

EXAMINER'S AMENDMENT

1. Cancel the non-elected claims 6-20. (elected without traverse)

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

Claims 1-5,21-35 are allowable over the reference of record because none of these references disclose or can be combined to yield the claimed invention such as a ferromagnetic substance layer on the first metal layer, a lower surface of the ferromagnetic substance layer being lower than an upper surface of the inductor, and upper surface of the ferromagnetic substance layer being higher than the lower surface of the inductor, and a second metal layer that covers an upper and side surface of the ferromagnetic substance layer, an upper surface of the second metal layer being no lower than the upper surface of the inductor as recited in claim 1, a metal layer covering the ferromagnetic substance layer to prevent diffusion of the ferromagnetic substance layer as recited in claim 21, a metal layer covering the ferromagnetic substance layer to prevent diffusion of the ferromagnetic substance layer and the metal layer having a first layer and a second layer, and a lower surface of the ferromagnetic substance layer is covered with the first layer and an upper surface and side surface of the ferromagnetic substance layer is covered with the second layer as recited in claim 22, a metal layer covering the ferromagnetic substance layer to prevent diffusion of the ferromagnetic substance layer and the metal layer includes a barrier metal layer as recited in claim 24, a metal layer covering the ferromagnetic substance

layer to prevent diffusion of the ferromagnetic substance layer and a multiplayer interconnection layer formed on the substrate wherein the inductor and the laminated film are formed on an uppermost layer of the multiplayer interconnection layer as recited in claim 29.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled ""Comments on Statement of Reasons for Allowance.

3. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Tan Tran whose telephone number is (571) 272-1923. The examiner can normally be reached on M-F 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for after final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

TT

Dec 2004